RIACS

Timeline
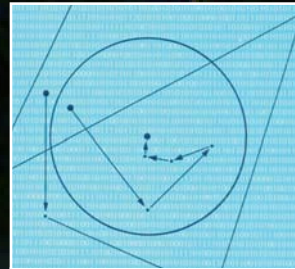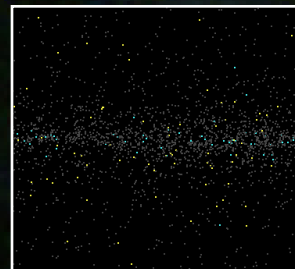### 1983 - 2008

RIACS is a division of the Universities Space Research Association,
Celebrating 40 years of service to the space science and technology community

USRA
40
YEARS
1969-2009

From Supercomputing to Intelligent Systems - 25 Years of Pioneering Computer Science Innovation

RIACS 25

RIACS 25

RIACS

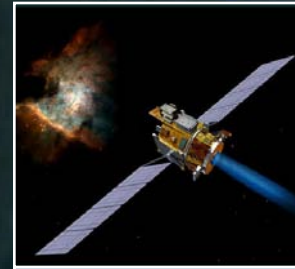1983: RIACS founded as joint collaboration between USRA and the NASA Ames Research Center

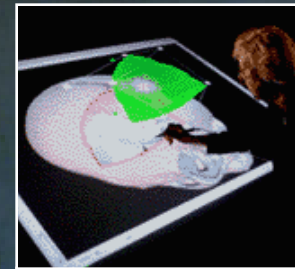1987: Sparse Distributed Memory published by MIT Press

1989: AutoClass becomes first AI software to make a published astronomical discovery

1993: RIACS helps coordinate the establishment of the Bay Area Gigibit Network (BAGNet). NASA Ames and Xerox PARC are first two testbed sites

1998/1999: Remote Agent becomes first AI software to control a spacecraft in deep space and is 1999 NASA Software of the Year co-winner
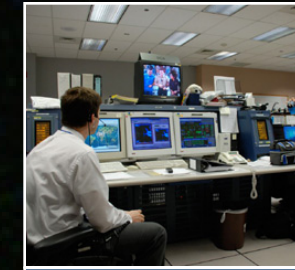
1999: Collaborative Virtual Environment for Medical and Scientific Imaging selected as runner-up, NASA Software of the Year

2005: Software Verification and Validation for first piloted test flight of Adaptive Neural Flight Controller (F-15)

2008: NX & PMT used operationally 24/7 across NASA

2008: OCAMS deployed for 24/7 International Space Station operations at Johnson Space Center

1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007

1984: Working with Henry Lum, RIACS helps establish an Artificial Intelligence Plan for NASA Ames
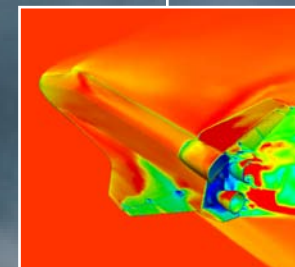
1984-1986: Technical Studies project recommendations for Advanced NAS program, especially Extended Operating Configuration (EOC), adopted by NAS Projects Office

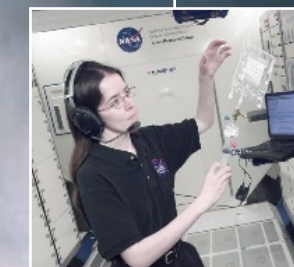1991: RIACS scientists were among co-authors of NAS Parallel Benchmark tests

1995: Contractor Excellence Award for New Millenium Architecture Prototype (precursor to Remote Agent)
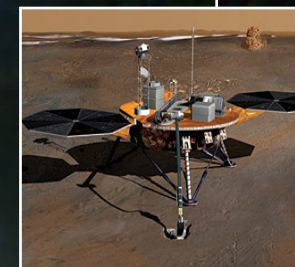
2002: CART3D named NASA Software of the Year Award co-winner

2003: EUROPA / MAPGEN becomes first AI software to plan the work of robots on another planet during the MER mission

2005: Clarissa / Regulus becomes first spoken dialogue system to be used in space

2008: EUROPA, co-invented by RIACS, used in Mars Phoenix Lander mission

USRA 40 YEARS 1969-2009

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